FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. UPC 52414

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

NEW KENT COUNTY
Route 249 - Construct Roundabout at Route 612
From: 0.090 Miles W. Rte. 612
To: 0.115 Miles E. Rte. 612

Project: 0249-063-106, RW-201

Project: 0249-063-106, PE-101, C-501

FHWA-534 DATA 14021

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	STP-5127 (554)	249	(NFO) 0249-063-106 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA

	ROUNDABOUT- RURAL SINGLE LANE - MAX ENTRY DESIGN SPEED 25MPH			
	ROUTE 249 (NEW KENT HIGHWAY)		TUNSTALL RD. (N. RTE. 612)	AIRPORT RD. (S. RTE. 612)
	RURAL MAJOR COLLECTOR (GS-3) UNDIVIDED ROLLING - 60 MPH MIN. DESIGN SPEED		RURAL MINOR COLLECTOR (GS-3) UNDIVIDED ROLLING 35 MPH MIN. DESIGN SPEED	RURAL MINOR COLLECTOR (GS-3) UNDIVIDED ROLLING 35 MPH MIN. DESIGN SPEED
	West of Intesection	East of Intesection		
ADT (2012)	4700	2100	1500	1200
ADT (2036)	10,200	6700	5000	1800
DHV	950	600	500	200
D (%) (design hour)				
T (%) (design hour)	3%	5%	7%	4%
V (MPH)	*	*	*	*

* SEE PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL CURVE FOR DESIGN SPEEDS.

PROJECT MANAGER ADAM BROOKS (804) 524-6248
SURVEYED BY DAVID BURCH LS (804) 524-6157
DESIGN SUPERVISED BY RODNEY HAYZLETT P.E. (804) 323-9900 JOHNSON, MIRMIRAN & THOMPSON
DESIGNED BY JOHNSON, MIRMIRAN & THOMPSON (804) 323-9900

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
CITY, TOWN OR VILLAGE
RIGHT OF WAY LINE
FENCE LINE
UNFENCED PROPERTY LINE
FENCED PROPERTY LINE
WATER LINE
SANITARY SEWER LINE
GAS LINE
ELECTRIC UNDERGROUND CABLE
TRAVELED WAY
GUARD RAIL
RETAINING WALL
RAILROADS
BASE OR SURVEY LINE
LEVEE OR EMBANKMENT
BRIDGES
CULVERTS
DROP INLET
POWER POLES
TELEPHONE OR TELEGRAPH POLES
TELEPHONE OR TELEGRAPH LINES
HEDGE
TREES
HEAVY WOODS
GROUND ELEVATION
GRADE ELEVATION

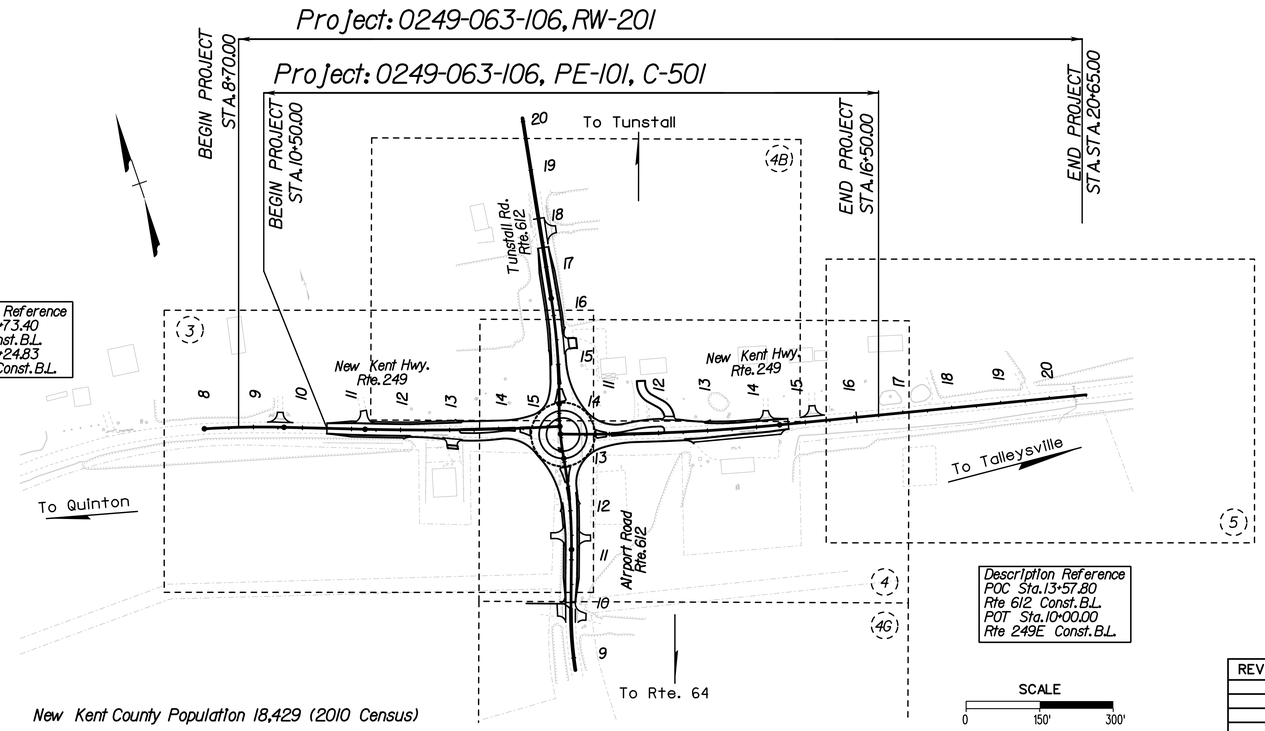
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2007 ROAD AND BRIDGE SPECIFICATIONS, 2008 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11R, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.



New Kent County Population 18,429 (2010 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES (FEET)	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	BRIDGE PROJECT NO.	TYPE PROJECT	DESCRIPTION
0249-063-106	PE-101	STP-5127 (554)	PENG	52414		1079.83	0.205	1079.83	0.205		PRELIMINARY ENGINEERING	Fr: 0.090 Miles W. Rte. 612 To: 0.115 Miles E. Rte. 612
	RW-201	STP-5A27 (185)	ROWA	52414		1710.16	0.324	1710.16	0.324		RIGHT OF WAY	Fr: 0.090 Miles W. Rte. 612 To: 0.202 Miles E. Rte. 612
	C-501		1000	52414		1079.83	0.205	1079.83	0.205		CONSTRUCTION	Fr: 0.090 Miles W. Rte. 612 To: 0.115 Miles E. Rte. 612

Project Lengths are based on Route 249 West & East Base Lines

TIER 1 PROJECT

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

10/31/12	MARK RIBLETT
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
11/7/12	SAM W. HAYES
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION

11/7/12	THOMAS A. HAWTHORNE
DATE	DISTRICT ADMINISTRATOR

REVISED

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER

APPROVED FOR CONSTRUCTION

DATE	DISTRICT ADMINISTRATOR

Copyright 2012 , Commonwealth of Virginia